

CLAIM(S)

0021 We claim:

1 An endotracheal tube

- with an expandable balloon cuff at its distal end
- with a primary cannula for inflation and deflation of the balloon cuff, with a coupling adapted to connect to a syringe.
- with a provision for a connector at its proximal end to be connected to a ventilator.

2 An endotracheal tube with aerosol delivery apparatus

- with provision for aerosol delivery of medications to the lungs via a metered dose inhaler (MDI)
- with at least one secondary canalization
- with provision for an adapter at its proximal end
- with an adapter designed to fit the nozzle of MDI cannister at its proximal end
- an adapter with a pinhole opening at it's distal end that marks the origin of a secondary cannula.
- the secondary canalization with an ID small enough for the aerosol particles generated by a MDI at the proximal end to be delivered at the distal tip of the ET tube in aerosol form
- the secondary cannulation with two parts- a semi- flexible or a semi-rigid structure outside the main tubular structure and a rigid track within the wall of the ET tube
- the secondary canalization with only one opening at the distal tip of the ET tube without protrusion of the cannulation beyond the body of the ET tube
- the secondary canalization with a track from the outer surface to the inner surface within the wall of the ET tube.